

## NEBRASKA

### 2010 School Health Profiles Report Sample Description and Weighting Procedures Lead Health Education Teacher Survey

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#### SAMPLE DESCRIPTION:

All regular secondary public schools having at least one of grades 6 through 12 were included in the sampling frame. Schools were sorted by estimated enrollment in the target grades within school level (high schools, middle schools, and junior/senior high schools combined) before sampling. Systematic equal probability sampling with a random start was used to select schools for the survey. The lead health education teacher was surveyed in each participating school.

#### RESPONSE RATE:

73% - 212 out of 292 sampled eligible lead health education teachers returned questionnaires. All questionnaires were usable after data editing.

#### WEIGHTING:

A weight has been associated with each questionnaire to reflect the likelihood of a lead health education teacher being selected, to reduce bias by compensating for differing patterns of nonresponse, and to improve precision by making school sample distributions conform to known population distributions. The weight used for estimation is given by:

$$W = W_1 * f_1 * f_2$$

$W_1$  = inverse of the probability of school selection.

$f_1$  = a nonresponse adjustment factor calculated by school size (large, medium, or small) and school level (high school, middle school, or junior/senior high school combined).

$f_2$  = a poststratification adjustment factor calculated by school level (high school, middle school, or junior/senior high school combined).

#### USE OF THE RESULTS:

The weighted results can be used to describe school health policies and practices of all regular secondary public schools in Nebraska having at least one of grades 6 through 12.